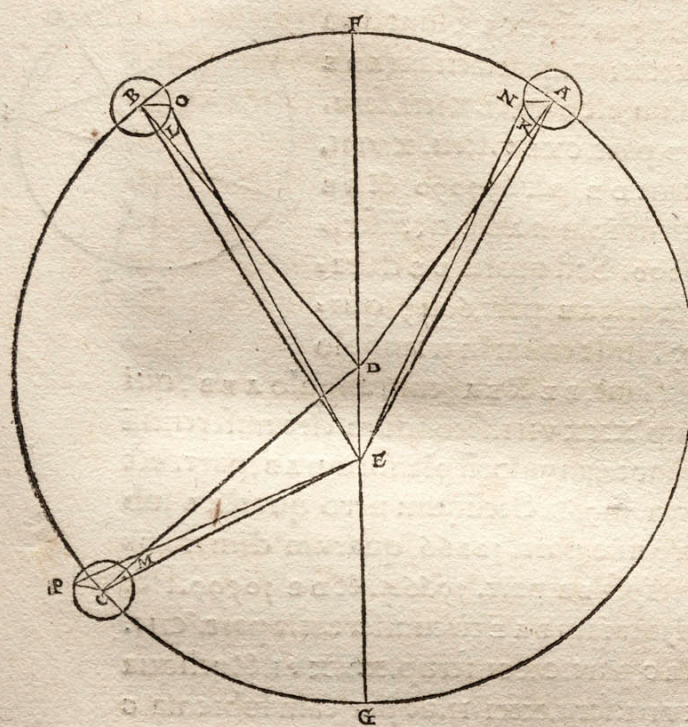


scrup. 12, quæ parum distant à Ptolemæo. Quoniam uero CDK est semis totius CDE part. 9949. & CD demonstrata est part. 9299. reliqua ergo DK partiū est 650. quarū GF ponitur 10000. & FD, 1200. sed quarum FD fuerit 10000, erit DK part. 5411. quæ



pro semisse subtēden-
tis duplum angulū D
K, est ipse angulus pt.
xxxii. scrup. xlv.
Quorum quatuor re-
cti sunt ccclx. Atq;
his similes in HL cir-
cumferentia subtēdit
in centro existētis cir-
culi. Sed tota CHL me-
dieta ipsius CLE pt.
est Lxxxiiii. scrup.
xiii. ergo residua CH,
ab acronychio tertio
ad perigæum est part.
li. scrup. xxviii. quæ
demptæ à semicirculo
relinquunt CBF circū
ferētiā part. cxxviii.
scrup. xxxii. à summa

abside ad acronychium tertium. Cumq; fuerit CB circumferen-
tia part. Lxxxviii. scrup. xxix. erit residua BF part. xl. scrup.
iii. à summa abside ad acronychium secundum. Deinde quæ se-
quitur BFA circumferentia part. Lxx. scrup. xxxix. supplet AF
quod erat ab acronychio primo ad apogæum F part. xxxv.
scrup. xxxvi. Sit iam ABC circulus, cuius dimetiens sit FDEG,
centrū D, apogæū F, perigæū G, circūferētiā AF part. xxxv. scrup.
xxxvi. FB, part. xl. scrup. iii. FBC part. cxxviii. scrup. xxxii.
Capiat aut ex iam demonstrata cētrorū distātia DE dodrās part.
900. & quadrās, q reliquus est part. 300. quarū quæ ex cētro FD
fuerint 10000. secūdū quæ quadrantē in ABC cētris epicycliū de-
scribatur & cōpleatur figura iuxta propositā hypothesin. Qui-
bus sic dispositis si elicere uoluerimus obseruata loca Saturni p

modū supius traditū, ac mox repetēdū, inueniemus nōnihil di-
screpātia. Et, ut summatim dicā, ne pluribus lectorē oneremus,
neue plus laborasse uideamur in deuijs indicādis, q̄ ptinus re-
cta monstrāda uia, pducūt hęc necessario p triangulorū demō-
stratiōes ad NEO, angulū part. Lxvii. scrup. xxxv. & alterū qui
sub O EN, part. Lxxxvii. scrup. xii. atq; hic apparēti maior est se-
migradu, & ille xxvi. scrup. minor. At tūc solū quadrare inuicē
cōperimus, si pmo aliquatū apogæo cōstituerimus AF pt.
xxxviii. scrup. l. ac deinceps FB circūferētiā part. xxxvi. scrup.
xlix. FBC pt. cxxv. scrup. xviii. Cētrorū q̄q; DE distātiā, part.
854. atq; eā q̄ ex cētro epicycli, part. 285. quarū FD fuerit 10000,
quæ ferē cōsentiūt Ptolemæo, ut supius est expositū. Quod em̄
hæ magnitudines apparētijs cōueniāt, ac tribus fulsiōibus no-
cturnis obseruatis, exinde pspiciū fiet, quoniā sub acronychio
primo in triangulo ADE, latus DE dat partibus 854. qbus AD est
10000. Et angulus ADE part. cxli. scrup. x. q̄rū circa cētrū cū AD
F, sunt duo recti. Demōstrat ex his reliquū latus AE part. 10679
quarū q̄ ex cētro FD erat 10000. Et reliq; angulū DAE, part. ii. scrup.
lii. & DEA part. xxxv. scrup. lviii. Similiter in triangulo AEN
q̄niā q̄ sub KAN, æqlis est ipsi ADF, erit iā totus EAN part. xli.
scrup. xlii. & latus AN, part. 285. quarū erat AE part. 10679. De-
mōstrabitur angulus AEN, unius esse ptis, scrup. iii. sed totus DE
A, cōstat part. xxxv. scrup. lviii. reliquus igit, q̄ sub DEN, part.
erit xxxiiii. scrup. lv. In altera q̄q; summæ noctis fulsiōe trian-
gulū BED duorū laterū dator est, nā DE pt. 854. q̄liū DB 10000.
cū angulo BDE, erit idcirco & BE illarū ptū 10697. angulus DB
E part. ii. scrup. xlv. & reliquus BED part. xxxiiii. scrup. iii. Sed
q̄ sub LBO æqlis est ipsi BDF, totus ergo EBO part. erit xxxix.
scrup. xxxiiii. ad cētrū. Hūc aut suscipiūt data latera BO pt. 285.
& BE part. 10697. Quibus demōstratur BE o scrupul. esse lxx. q̄
dēpta ab angulo BED, relinqt OED, pt. xxxiii. scrup. v. Iā uero
demōstratū est in prima fulsiōe angulū DEN fuisse pt xxxiiii.
scrup. lv. totus ergo OEN, angulus erit pt. Lxviii. p quē apparu-
it distātia fulsiōis primæ à secūda, ac obseruatiōibus consenta-
nea. Similiē etiā ostēdet de tertio acronychio. Quoniā triangu-
li CDE angulus CDE dat pt. Liii. scrup. xlii. & latera CD, DE quæ
O iij prius